

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Email](#) [more ▼](#)
[Scholar Preferences](#) | [Sign in](#)

PCR and "volume exclusion"


[Advanced Scholar Search](#)

Scholar

Articles and patents

2002

Include citations

Results 1 - 10 of about 168. (0.11 sec)

**Optimization of single-strand conformation polymorphism analysis in the presence of polyethylene glycol**

A. Harpold, A. Sawey, V. Vlodavets, ... Clin Chem, 1997 - Am Assoc Clin Chem

... Both viscosity and **volume exclusion** appear to take part in the mechanisms by which water-soluble LCPs affect the migration of proteins in ... To test the protocol performance, we investigated PCR products varying in GC% content and length, ranging from 157 to 528 bp (Table 1 ...

[Cited by 51](#) - [Related articles](#) - [All 5 versions](#)

[HTML from clinchem.org](#)

**Coamplification of target nucleic acids using volume exclusion agent in reaction composition, test kit and test device useful therefor**

J.W. Barakat, U.S. Patent 5,705,360, 1998 - Google Patents

... men for detection. Such amplification techniques include 3J it is known that the hybridization rate of nucleic acids is polymerase chain reaction (PCR), ligase chain reaction increased considerably in the presence of **volume exclusion** (LCR) and others which are less developed. ...

[Cited by 3](#) - [Related articles](#) - [All 5 versions](#)

**Direct observation of the enhancement of noncooperative protein self-assembly by macromolecular crowding: indefinite linear self-association of bacterial cell division**

G. Rivara, J.A. Fernández, ... Proceedings of the ... 2001 - National Acad Sciences

... It has been predicted that in "crowded" solutions—solutions containing a total volume fraction of inert proteins or other macromolecules comparable to that found in the physiological fluid media—**volume exclusion** will significantly enhance the tendency of dilute as well as ...

[Cited by 76](#) - [Related articles](#) - [All 5 versions](#)

[HTML from pnas.org](#)  
[Full View](#)

**Comparison of in-situ hybridization, direct and indirect in-situ PCR as well as tyramide signal amplification for the detection of HPV**

R.H. Winkler, H. Kuhl, J. Geiler, J. Caselmann, ... Histochemistry and cell, 1999 - Springer

... by a signal amplification step using TSA and on the other hand the simplification in laboratory proto- cols when compared to IS-PCR ... but failed), can be utilized to improve the localization sharpness proba- bly due to a higher viscosity or to a **volume exclusion** of polymers (van ...

[Cited by 59](#) - [Related articles](#) - [All 5 versions](#)

**Capturing chromosome conformation**

J. Dekker, R. Kleene, M. Dekker, ... Science, 2002 - science.sciencemag.org

... Control template is generated in which all possible ligation products are present in equal abundance (7). The cross-linking frequency (X) of two specific loci is determined by quantitative PCR reactions using ... We did not need to include terms for **volume exclusion** in this analysis. ...

[Cited by 561](#) - [Related articles](#) - [All 5 versions](#)

[PDF from science.org](#)

**Hybridization properties of immobilized nucleic acids**

T.P. Gengenot, D.Y. Kwon, ... Nuclear acids research, 1987 - Oxford Univ Press

... oligonucleotides: 1) displacement of adsorbed oligonucleotide probes from the support surface; and 2) by means of **volume exclusion**, the target ... DNA using support-bound oligonucleotides can be seen in the use of the Polymerase Chain Reaction protocol (PCR) described by ...

[Cited by 79](#) - [Related articles](#) - [All 5 versions](#)

[PDF from nih.gov](#)

**Neutrophil collagenase (MMP-8) cleaves at the aggrecanase site E373-A374 in the interlobular domain of cartilage aggrecan**

A.J. Fosang, P. Last, P.J. Neame, G. Murphy, ... Biochemical, 1994 - nobel.nim.nih.gov

... Figure 3 **Volume exclusion** effect of polyethylene glycol 4000 G1-G2 (0.5 mg/ml) was digested overnight at 37 °C with HgCl<sub>2</sub>-activated MMP-8 (10 µg/ml) either alone (lane 1) or in the presence of PEG 4000 at a final concentration of 2%, 5%, 10%, 15% or 20% (lanes 2-6 ...

[Cited by 33](#) - [Related articles](#) - [All 5 versions](#)

[PDF from nih.gov](#)

**Detection of messenger RNA and low-abundance heteronuclear RNA with single-stranded DNA probes produced by amplified primer extension labeling**

P.J. Brooks, M.G. Kapriel, S.P. Kieopoulos, ... J. of Histochemistry & ..., 1993 - the.sagepub.com

... pmol of each <sup>3</sup>H-labeled dNTP (Amersham, Arlington Heights, IL) (40-120 Cpm/mol) is dried and re-suspended in 1 x PCR buffer, but ... presumably by a **volume exclusion** effect (8), it also greatly decreases nonspecific probe binding to tissue sections (unpub- lished observations) ...

[Cited by 19](#) - [Related articles](#) - [All 5 versions](#)

[PDF from sagepub.com](#)

**Transmembrane domain-mediated colocalization of HLA-DM and HLA-DR is required for optimal HLA-DM catalytic activity**

D.A. Vreder, C.J. Uno, J. Sun, J.L. Wigen, ... The Journal of ... 2001 - Am Assoc Immunol

... express DRI molecules with transmembrane-cytoplasmic domains of either DM or CD80 were generated by overlapping PCR (24) and ... **Volume exclusion** by irrelevant integral membrane proteins has also been proposed to contribute toward enhanced association of membrane ...

[Cited by 21](#) - [Related articles](#) - [All 5 versions](#)

[HTML from jimmunol.org](#)

**Nucleotide sequences useful as type-specific probes, PCR primers and LCR probes for the amplification and detection of human papilloma virus, and related kits and ...**

K. Jansen, S.B. Bourne, R.L. Margolis, ... EP Patent, 1998 - freepatentsonline.com

... WO/1989/005357A, THE USE OF VOLUME EXCLUSION AGENTS FOR THE ENHANCEMENT OF IN SITU HYBRIDIZATION. ... WO/1991/010675A, PRIMERS AND